



AFCESA A-GRAM



AIR FORCE CIVIL ENGINEER SUPPORT AGENCY

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AIR FORCE QUALIFICATION TRAINING PACKAGES (AFQTPs) – (1)WATER TESTING and (2) OPERATION AND MAINTENANCE OF PEST MANAGEMENT ULTRA LOW VOLUME (ULV) EQUIPMENT

SYNOPSIS:

We have recently completed two new AFQTP audiovisual products. The first, Water Testing, supports Civil Engineer Career Field 3E4X1–Utilities Systems. It introduces students to the procedures and equipment used for collecting and testing water samples.

The second AFQTP, Operation and Maintenance of Pest Management Ultra Low Volume (ULV) Equipment, supports Civil Engineer Career Field 3E4X3 – Environmental and discusses the basic concepts for ULV pesticide applications.

WATER TESTING:

The program opens with a brief history of the effects untreated water has had in combat and moves to general illnesses that can incapacitate a unit due to untreated drinking water. The program then describes proper

sample collection procedures. In this section, various methods of sample collection are discussed based on different water sources. The program also addresses some of the tools used to collect water samples.

The final lesson covers procedures for conducting pH and chlorine residual tests. These easy-to-follow, step-by-step procedures show how to test various water sources for their potability, which is critical to a deployed unit's survival.

OPERATION AND MAINTENANCE OF PEST MANAGEMENT ULV EQUIPMENT:

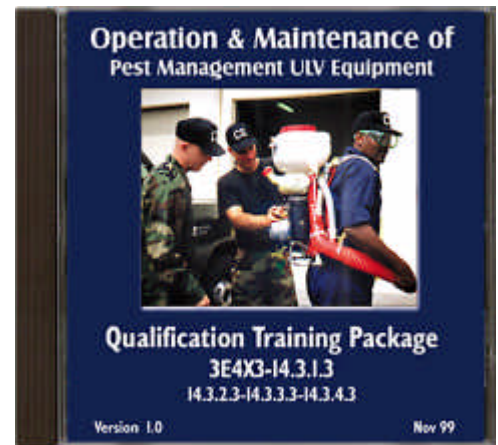
The first lesson in this QTP provides general concepts, equipment description and functions, rules for the use of chemicals, and a brief review of safety.

The program then describes the various types of ULV equipment and discusses specific examples of each type. Equipment included in this lesson includes handheld ULV equipment, backpack ULV equipment, and skid- or truck-mounted ULV equipment.

The next lesson presents calibration requirements and procedures for pest management ULV equipment, while

the final lesson discusses the principles of operation and operational procedures for the pest management ULV equipment.

These QTPs utilize animation, narration, video clips and hundreds of color photographs and illustrations. The water testing program takes approximately 45 minutes to complete. The pest management program requires approximately three hours to complete. Both programs have built-in review questions.



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